

OPERATIONAL RISK MANAGEMENT

Group-3 Ground Operations Worksheet

AESOP Risk Management Matrix

| | | | | | |
|--------------------|--|------|-------|--|---------|
| MISSION NUMBER | | DATE | | | |
| GROUND TEAM LEADER | | | CAPID | | INITIAL |
| SAFETY OFFICER | | | CAPID | | INITIAL |

ASSIGNMENT

MISSION FACTORS

| THREAT DESCRIPTION | LOW | CODE | MEDIUM | CODE | HIGH | CODE | SCORES |
|--------------------|-----|------|--------|------|------|------|--------|
| DAYTIME | DRY | 0 | RAIN | 10 | ICE | 20 | |
| NIGHTTIME | DRY | 5 | RAIN | 15 | ICE | N/G | |
| TOTAL | | | | | | | |

EQUIPMENT

EQUIPMENT FACTORS

| THREAT DESCRIPTION | LOW | CODE | MEDIUM | CODE | HIGH | CODE | SCORES |
|--------------------|-------------|------|----------------|------|--------------|------|--------|
| VEHICLE | < 80,000 MI | 0 | 80 -140,000 MI | 10 | > 140,000 MI | 20 | |
| COMMUNICATIONS | GOOD | 0 | DEAD ZONES | 10 | POOR | 20 | |
| TOTAL | | | | | | | |

OBSTACLES

WEATHER FACTORS

| THREAT DESCRIPTION | LOW | CODE | MEDIUM | CODE | HIGH | CODE | SCORES |
|--------------------|-----------|------|----------------|------|----------------|------|--------|
| TEMPERATURE | 40-90 DEG | 0 | < 40° or > 80° | 10 | < 20° or > 90° | 20 | |
| WINDS | LIGHT | 0 | 10-20 KTS | 10 | > 20 KTS | 20 | |
| HUMIDITY | 0 - 35% | 0 | 40 - 55% | 10 | > 60% | 20 | |
| HEAT INDEX | < 90° | 5 | < 105° | 10 | > 105° | 30 | |
| WIND CHILL | > - 5° | 5 | > -10° | 10 | < -10° | 30 | |

TERRAIN FACTORS

| THREAT DESCRIPTION | LOW | CODE | MEDIUM | CODE | HIGH | CODE | SCORES |
|--------------------|------|------|-----------|------|-------------|------|--------|
| FLAT LAND | OPEN | 0 | MOD COVER | 10 | DENSE COVER | 20 | |
| ROLLING HILS | OPEN | 0 | MOD COVER | 10 | DENSE COVER | 20 | |
| MOUNTAIN OR SWAMP | OPEN | 5 | MOD COVER | 10 | DENSE COVER | 30 | |
| TOTAL | | | | | | | |

PERSONNEL

PERSONNEL FACTORS

| THREAT DESCRIPTION | LOW | CODE | MEDIUM | CODE | HIGH | CODE | SCORES |
|--------------------|---------------|------|----------------|------|---------------|------|--------|
| GTL EXPERIENCE | > 20 MISSIONS | 0 | <20 MISSIONS | 10 | < 10 MISSIONS | 20 | |
| GTL AGE | > 30 | 0 | 22 - 30 | 10 | < 22 | 20 | |
| GTL CURRENCY | MSN / 90 DAYS | 0 | MSN / 180 DAYS | 10 | 1 MSN / YEAR | 20 | |
| TEAM HEALTH | RESTED | 0 | SOME FATIGUE | 10 | TIRED | N/G | |
| OP-TEMPO | 1-2 TEAMS | 0 | 3-4 TEAMS | 10 | ≥ 5 TEAMS | 20 | |
| TOTAL | | | | | | | |

SITUATION

MISSION THREAT EVALUATION TABLE

LOW (< 80): ASSUME NOTHING & REMAIN VIGILANT.

GROUND TEAM LEADER APPROVAL

MEDIUM (80-140): USE SUITABLE ORM GROUND TEAM CONTROLS.

GROUND BRANCH DIRECTOR APPROVAL REQUIRED

HIGH (> 140): VERY HIGH RISK. STRICT ADHERENCE TO ORM CONTROLS.

MISSION INCIDENT COMMANDER APPROVAL REQUIRED

| | |
|------------|--|
| ASSIGNMENT | |
| EQUIPMENT | |
| OBSTACLES | |
| PERSONNEL | |
| RISK LEVEL | |

INSTRUCTIONS

- Analyze each risk element in the AESOP system and place the total value of the threat in the **SCORES** column cell located at the right of each element. When using the spreadsheet version, the total risk will be automatically tabulated for you.
- Refer to the color coded portion of the mission threat evaluation table for the calculated risk level.
- Keep this chart with the mission paperwork.
- Use the AESOP mnemonic reminder to reevaluate risk as the mission progresses and any situations change.

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